

Akiak
Akiakchak
Alakanuk
Andreafsky
Aniak
Anvik
Atmauthluak
Bethel
Billmoore's Slough
Chefornak
Chevak
Chuathbaluk
Chuloonawick
Crooked Creek
Eek
Emmonak
Georgetown
Grayling
Hamilton
Holy Cross
Hooper Bay
Kasigluk
Kipnuk
Kongiganak
Kotlik
Kwethluk
Kwigillingok
Lime Village
Lower Kalskag
Marshall
Me koryuk
Mountain Village
Napaimute
Napakiak
Napaskiak
Newtok
Nightmute
Nunam Iqua
Nunapitchuk
Ohogomiut
Oscarville
Paimute
Pilot Station
Pitka's Point
Quinhagak
Red Devil
Russian Mission
Scammon Bay
Shageluk
Sleetmute
St. Mary's
Stony River
Toksook Bay
Tuluksak
Tuntutuliak
Tununak
Umkumiut
Upper Kalskag

Yukon-Kuskokwim Health Corporation (YKHC) Report to the Denali Commission

Closeout Report Project 1535 Renovation of Village Health Clinic Foundations

Eek, Kasigluk, Kwethluk, Marshall, Nunam Iqua, Nunapitchuk, and Tununak, Alaska

07/29/2019

1. Background

Founded in 1969, the Yukon-Kuskokwim Health Corporation (YKHC) is a private, non-profit health corporation providing primary care, educational, preventive health and planning services to the people of the Yukon-Kuskokwim Delta (YKD). The YKHC is a P.L. 92-638 organization owned and governed by the 58 Federally-Recognized Tribes in the region. The Corporation is compacted with the Indian Health Service to provide IHS-funded health care programs for the 23,000 Alaska Native Residents in the Bethel Service Area.

The YKHC operates 5 sub-regional clinics and approximately 44 village clinics as well as a variety of behavioral health, substance abuse treatment, and staff housing facilities. The YKHC is the only Alaska Native regional health corporation that operates a dedicated air ambulance service.

A 20-member Board of Directors governs the YKHC. The Board of Directors is the chief policy making body of the Corporation, exercising overall control, management and supervision through the President/CEO. The full Board of Directors for the YKHC consists of 21 members. Their Administrative Service Unit of Tribes elects twenty (20) Board members and the 21st member is an honorary lifetime member. Nine of the members are elected to office. Those nine members also act as the Executive Board of Directors of the Full Board. In addition, the President/CEO of the Yukon-Kuskokwim Health Corporation is an Ex-Officio member. All of the 21 Board of Directors are Yukon-Kuskokwim Delta Alaska Natives. All members remain residents of their respective Administrative Service Units.

The YKHC is located in Bethel Alaska, 400 miles west of Anchorage. This unique and isolated area is the traditional home of the state's indigenous Yup'ik, Cup'ik, and Athabascan people. This region is approximately 75,000 square miles (roughly the size of Oregon) and is not connected to a road system.

The YKHC is the only full service health provider in the entire region, offering a wide variety of community, social, and traditional health services to all the residents of the

YKD. Services delivery is based on a “tiered level of care model” centered on the Community Health Aide Program (CHAP) with village clinics supported by a single central hospital and residential/specialty services in Bethel. Services that cannot be provided in the YKD are referred out of the region to the Alaska Native Medical Center or other out-of-area or out-of-state care.

The YKD encompasses the southernmost, warmest parts of the arctic tundra biome. Ice-rich permafrost currently is widespread and strongly influences terrestrial habitats, including local topography, vegetation, soil hydrology, and the water balance of lakes. Ground temperatures are near the freezing point, however, and recent projections indicate that the YKD is poised for a widespread loss of permafrost at the end of the century.

The extreme cold and large amounts of snow and rain in different areas of Alaska make foundation problems quite common in the state. Foundation settlement is a common issue that happens throughout the Yukon-Kuskokwim Delta. Some of the conditions that could have caused the foundation to shift and settle are heaving and settling which occurs during freeze and thaw periods. As the ground repeatedly freezes and thaws, it will expand and contract, causing the foundation above to heave and settle respectively. Erosion can also occur when there is heavy rain or a large amount of snow melt with warmer temperatures. The rain washes away soil under the foundation forming voids and causing the foundation to settle into the voids.

The Village Health Clinics, operated by YKHC, located in Eek, Kasigluk, Kwethluk, Marshall, Nunam Iqua, Nunapitchuk, and Tununak, Alaska have experienced foundational shift causing cracks in their interior walls, ceilings and floors. The damages caused doors to not operate as intended which presents a life safety issue regarding the patient. The Denali Commission graciously supported the Yukon-Kuskokwim Health Corporation, through the Financial Assistance Award (FAA) No. 1535, for the Renovation of 7 Village Health Clinic Foundations. The award period was set to start on October 20, 2017 through December 31, 2018. Due to unexpected weather conditions and unforeseen increase in worker turnover rate the project could not be completed in time. The Yukon-Kuskokwim Health Corporation requested a three month extension on December 14, 2018 to extend the project until April 2019. YKHC have since completed the project and is very thankful to the Denali Commission.

2. Deliverables

Foundation Renovation for the 7 Village Health Clinics were completed in the following schedule:

Location	Start Date	End date
Eek	10/30/18	11/19/18
Kasigluk	11/20/18	12/20/18
Nunapitchuk	1/27/19	2/16/19
Nunam Iqua	2/24/19	3/13/19
Marshall	3/14/19	4/1/19
Kwethluk	3/18/19	3/22/19

Tununak	4/2/19	4/20/19
---------	--------	---------

YKHC's Office of Environmental Health oversee the maintenance of Village Health Clinics. The maintenance crew, Village Ops, have been trained in the new leveling system that have been installed in Eek, Kasigluk, Kwethluk, Marshall, Nunam Iqua, Nunapitchuk, and Tununak. Training was performed in Bethel with a similar system in the Kasayuli Housing.



Figure 1: Eek Village Health Clinic



Figure 2: Kasigluk Village Health Clinic



Figure 3: Marshall Village Health Clinic



Figure 4: Nunam Iqua Village Health Clinic



Figure 5: Nunapitchuk Village Health Clinic

3. Final Budget Information

The table below describes the scope and funding for the original agreement:

Financial Assistance Award	Scope of Work	Funding
Original Agreement	Install adjustable foundation systems for village clinics in 7 communities: Eek, Kasigluk, Kwethluk, Marshall, Nunam Iqua, Nunapitchuk, and Tununak. And to provide training for maintenance personnel of the new leveling system.	\$ 200,000.00
YKHC Match	Install adjustable foundation systems for village clinics in 7 communities: Eek, Kasigluk, Kwethluk, Marshall, Nunam Iqua, Nunapitchuk, and Tununak. And to provide training for maintenance personnel of the new leveling system.	\$ 118,738
Amendment 1	Amend the award performance period to April 30, 2019.	\$0.00
Total Funding:		\$ 318,738

The table below summarizes project expenditure in executing the required work:

Scope of Work	Community	Expenditures
Renovation of Village Health Clinic Foundations	Eek (\$ 45,534) Kasigluk (\$ 45,534) Kwethluk (\$ 45,534) Marshall (\$ 45,534) Nunam Iqua (\$ 45,534) Nunapitchuk (\$ 45,534) Tununak (\$ 45,534)	\$ 318,738